tesa® 59652

Product Information

205µm double sided black film tape
Also referred to as order number tesa® 59652

Product Description

tesa® 4965 Black is a double-sided self-adhesive tape consisting of a black PET backing and a modified acrylic adhesive and is based on a patented and protected product formulation. Several products are equipped with this unique and high performing product design and together these products make up Team 4965. This double-sided film tape assortment helps to easily select the most efficient tape based on customer demands, products, and processes. tesa® 4965 Black can be ordered using order number tesa® 59652. Explore the benefits of the full tesa® 4965 assortment here: https://www.tesa.com/en/industry/general-applications/mounting/team-4965-assortment

tesa® 4965 Black features:

- An excellent balance of high shear resistance, adhesion performance and initial tack
- Secure bond even to critical surfaces such as low surface energy materials (e.g. PP and PE) and powder painted substrates
- Outstanding holding power
- Black color to optimize automatic pick and place processes

Application Fields

- LED strip mounting
- Optical detection splicing
- Mounting of lenses and cushioning foams in cellular phones
- Mounting of exterior car mirrors in the automotive industry

Technical Information (average values)

The values in this section should be considered representative or typical only and should not be used for specification purposes.

Product Construction

• Backing material	PET film	• Colour	black
• Type of adhesive	tackified acrylic	• Colour of liner	brown/blue logo
• Type of liner	paper	• Thickness of liner	69 µm
• Total thickness	205 µm	• Weight of liner	80 g/m²

For latest information on this product please visit http://l.tesa.com/?ip=59652

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Product Information

Properties/Performance Values

- Elongation at break: 50 %
- Tensile strength: 20 N/cm
- Ageing resistance (UV): good
- Chemical resistance: good
- Humidity resistance: very good
- Minimum temperature resistance: -40 °C
- Softener resistance: good
- Static shear resistance at 23°C: very good
- Static shear resistance at 40°C: very good
- Tack: good
- Temperature resistance long term duration: 100 °C
- Temperature resistance short term duration: 200 °C

Adhesion to Values

- ABS (initial): 10.8 N/cm
- ABS (after 14 days): 11.9 N/cm
- Aluminium (initial): 10.2 N/cm
- Aluminium (after 14 days): 12.6 N/cm
- PC (initial): 12.2 N/cm
- PC (after 14 days): 13.4 N/cm
- PE (initial): 5.6 N/cm
- PE (after 14 days): 6.6 N/cm
- PET (initial): 9.8 N/cm
- PET (after 14 days): 11.9 N/cm
- PP (after 14 days): 8.8 N/cm
- PP (covered side, initial): 6 N/cm
- PS (initial): 10.4 N/cm
- PS (after 14 days): 12.1 N/cm
- PVC (initial): 9.6 N/cm
- PVC (after 14 days): 12.8 N/cm
- Steel (initial): 11.5 N/cm
- Steel (after 14 days): 14 N/cm

Additional Information

Liner variants:

PV20: branded brown paper liner (69µm; 80g/m^2)

Disclaimer

tesa® products prove their impressive quality day in, day out in demanding conditions and are regularly subjected to strict controls. All information and recommendations are provided to the best of our knowledge on the basis of our practical experience. Nevertheless tesa SE can make no warranties, express or implied, including, but not limited to any implied warranty of merchantability or fitness for a particular purpose. Therefore, the user is responsible for determining whether the tesa® product is fit for a particular purpose and suitable for the user's method of application. If you are in any doubt, our technical support staff will be glad to support you.

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